

WHAT IS CLAIMED IS:

1. A liquid discharger comprising:
nozzles;
cavities communicating with the nozzles;
a plurality of discharge heads to pressurize functional liquid contained in the cavities communicating with the nozzles and discharging the functional liquid from the nozzles;
a mounting plate having openings to mount the plurality of discharge heads;
a tank containing the functional liquid; and
a liquid supply channel to supply the functional liquid from the tank to the discharge heads,
the discharge heads mounted to the openings at the same temperature as that when the functional liquid is discharged from the discharge heads.
2. The liquid discharger according to claim 1, the mounting plate having a heating device to heat the mounting plate.
3. The liquid discharger according to claim 1, further comprising:
a detecting device to detect the positions of the nozzles of the plurality of discharge heads;
a measuring device to measure the distance between at least two of the nozzles;
a driving device to move one of the discharge heads and the mounting plate relative to each other based on the measurement results by the measuring device; and
an engaging device to engage one of the discharge heads with one of the openings.
4. The liquid discharger according to claim 3, further comprising:
a controlling device to control the detecting device, the measuring device, the driving device, and the engaging device to equalize the distance between the nozzles on the plurality of discharge heads.
5. The liquid discharger according to claim 1, the plurality of discharge heads fixed to the openings in the mounting plate with an adhesive.
6. A method to discharge liquid; comprising;
supplying functional liquid to the plurality of discharge heads mounted to openings on a mounting plate;
pressurizing the functional liquid in the cavities of the plurality of discharge heads; and

discharging functional liquid from nozzles communicating with cavities in the plurality of discharge heads;

the plurality of discharge heads mounted to the openings at the same temperature as that when the functional liquid is discharged from the plurality of discharge heads.

7. The method to discharge liquid according to claim 6, the plurality of discharge heads mounted in the openings on the mounting plate while the mounting plate is heated.

8. The method to discharge liquid according to claim 4, further comprising:
detecting the positions of the nozzles of the plurality of discharge heads;
measuring the distance between the nozzles;
moving one of the discharge heads and the mounting plate relative to each other;
engaging one of the discharge heads and one of the openings on the mounting plate;
the distance between the nozzles on each of the discharge heads being equalized.

9. The method to discharge liquid according to claim 8, the detecting of the positions of the nozzles, measuring the distance between the nozzles, moving the discharge heads and the mounting plate relative to each other, and engaging the discharge heads performed automatically.

10. The method to discharge liquid according to claim 6, the plurality of discharge heads fixed to the openings of the mounting plate by applying an adhesive.